



INTERNATIONAL WORKSHOP ON

GROUND AND SURFACE WATER MANAGEMENT- BEST PRACTICES ACROSS ASIA AND AFRICA

23 September - 04 October 2024



**AFRICAN-ASIAN RURAL DEVELOPMENT
ORGANIZATION (AARDO)**



Theme of the International Workshop

“Ground and Surface Water Management - Best Practices across Asia and Africa”

Sponsoring Organization

African Asian Rural Development Organization (AARDO)
(www.aardo.org)

Host Institute

Rajiv Gandhi National Ground Water Training and Research Institute (RGNGWTRI)
(<http://ngwtri.org/>)

Duration

23 September – 04 October 2024

Deadline for Application

25 August 2024

BACKGROUND

Today, most countries are placing unprecedented pressure on water resources. The global population is growing fast, and estimates show that with current practices, the world will face a 40% shortfall between forecast demand and available supply of water by 2030. Furthermore, chronic water scarcity, hydrological uncertainty, and extreme weather events (floods and droughts) are perceived as some of the biggest threats to global prosperity and stability. Acknowledgement of the role that water scarcity and drought are playing in aggravating fragility and conflict is increasing.

Climate change will worsen the situation by altering hydrological cycles, making water more unpredictable and increasing the frequency and intensity of floods and droughts. To strengthen water security against this backdrop of increasing demand, water scarcity, growing uncertainty, greater extremes, and fragmentation challenges, clients will need to invest in institutional strengthening, information management, and (natural and man-made) infrastructure development. Institutional tools such as legal and regulatory frameworks, water pricing, and incentives are needed to better allocate, regulate, and conserve water resources. The modern concept of water management states that surface water and groundwater are integrated resources, and hence they should be managed together. This concept must be followed in practice for efficient water resources management at a local, regional or national scale.

The purpose of this workshop is to effectively facilitate the incorporation of new, innovative water management technologies and science into policies that benefit the environment and economy, especially in African and Asia countries. Innovative water management technologies of CGWB are being disseminated through the program to AARDO member countries in Africa and Asia.

OBJECTIVES OF THE WORKSHOP

The main objectives are to:

- ◇ to provide insights about groundwater and surface water management and its controlling factors and its overcoming;
- ◇ to work with local land, water, wastewater and storm water agencies, project proponents and other stakeholders to develop policies, ordinances and programs that promote the best water management;
- ◇ to impart skills to African-Asian countries in their scientific research and organizational capacity.- Encourage implementation of integrated, multi-benefit projects, Plan for and adapt to more frequent extreme climate events and Minimize health impacts associated with polluted water;
- ◇ to guide participants in developing water security plans in their country and also to Promote community education, involvement and stewardship ; and
- ◇ to provide a platform for future collaborative studies with the AARDO member countries in Africa and Asia

CONTENTS OF THE WORKSHOP

- Basics of hydrogeology
- Review of basic groundwater management to integrated water resources management.
- Salient Techniques for Groundwater Management
- Salient Techniques for Surface Water Management
- Water use efficiency
- Conjunctive water management
- Devolved groundwater management
- Aquifer mapping and preparation of management plan
- Artificial recharge /Rainwater harvesting
- Groundwater/surface water chemistry
- Isotope hydrogeology
- Groundwater pollution and remedial measures.
- Groundwater regulation and management
- Groundwater Modelling Concepts and their implications in the Prediction of future scenario
- Innovations of the Central Ground Water Board (CGWB), which the organization has gained or developed through various surveys, explorations, and assessments in the field of groundwater across the country

ESSENTIAL QUALIFICATIONS

- ◆ High level officials and policy makers with a considerable working experience in policy formulation, planning and executing programs related to the subject of the workshop;
- ◆ Proficiency in spoken and written English as the medium of instructions is English only and translation facilities into any other language are not available;
- ◆ Must be in good health both physically and mentally to attend the workshop.

MEDIUM OF COMMUNICATION

The medium of communication is English only. The participants are expected to have a good working knowledge of English.

TARGET AUDIENCE

The workshop is to be attended by high level officials and policy makers working in the relevant field in their respective countries. Resource persons from the host Institute and other institutions, having rich experiences on the subject will be invited to share their experiences and expertise with the delegates.

HOW TO APPLY

Step 1: Log on to the link: <https://aardo.org/aardot1.php>

Step 2: Fill up the details and submit. Take print out of the filled in application form.

Step3: Applicants are required to sign their applications and send them along with the recommendation letter of the Nodal Ministry of AARDO to our email: iec@aardo.org.

SELECTION OF PARTICIPANTS

The delegates of the international workshop will be selected by AARDO and RGNGWTRI.

CERTIFICATE

Certificate authenticated with the signature of H.E. the Secretary General, AARDO and RGNGWTRI authorities will be provided after the successful completion of the international workshop.

WHATSAPP COMMUNICATION

WhatsApp communication will be established among the delegates, host institute and AARDO for faster communication and information sharing.

ABOUT THE HOST TRAINING INSTITUTE (RGNGWTRI)

Rajiv Gandhi National Ground Water Training and Research Institute (RGNGWTRI) is the training wing of the Central Ground Water Board, Ministry of Jal Shakti, Government of India, located at Naya Raipur, Chhattisgarh. The premier institute works as a “Centre of Excellence” in training and research in the core and applied field of groundwater. It has been engaged in capacity building of professionals, sub-professionals and the stakeholders at the grass-root level working in the groundwater sector, since 1997.



RGNGWTRI has also extended its scope to impart training to Foreign Nationals. The institute has conducted four trainings for foreign nationals: i) training for professionals from the Republic of Yemen in 2006, ii) training on Ground Water Modeling and Management for 18 professionals from 8 African countries in 2011 iii) training for professionals from Nepal in 2016 and iv) Around 120 people from 27 Asian and African member countries in 2023.

Air Tickets

AARDO will assist in obtaining visa from Missions of India located in respective countries of the delegates. Following the acceptance of the nominee(s), round-trip economy class air tickets will be issued by AARDO on confirmation of Visa to attend the workshop for the travel of the Delegate(s) to Raipur, India and back.

Important Notes:

- Application without recommendation of the AARDO's Nodal Ministry in delegate's country will not be considered.
- Application, duly completed, must reach the AARDO Secretariat before or on the closing date, .
- Due to limitation of number of delegates, only selected delegates would be intimated through the Nodal Ministry.

Programme Coordinators:

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